

Subparts G–H—[Reserved]

Subpart I—6-Year-Old Child

SOURCE: 56 FR 57836, Nov. 14, 1991, unless otherwise noted.

§ 572.70 Incorporation by reference.

(a) The drawings and specifications referred to in §§ 572.71(a) and 572.71(b) are hereby incorporated in subpart I by reference. These materials are thereby made part of this regulation. The Director of the Federal Register approved the materials incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of the materials may be inspected at NHTSA's Docket Section, 400 Seventh Street, SW., room 5109, Washington, DC, or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(b) The incorporated material is available as follows:

(1) Drawing number SA 106 C001 sheets 1 through 18, and the drawings listed in the parts lists described on sheets 8 through 17, are available from Reprographic Technologies, 1111 14th Street, NW., Washington, DC 20005, (202) 628-6667.

(2) A User's Manual entitled, "Six-Year-Old Size Child Test Dummy SA106C," October 28, 1991, is available from Reprographic Technologies at the address in paragraph (b)(1) of this section.

(3) SAE Recommended Practice J211, Instrumentation for Impact Test, June 1988, is available from the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001.

§ 572.71 General description.

(a) The representative 6-year-old dummy consists of a drawings and specifications package that contains the following materials:

(1) Technical drawings and specifications package SA 106 C001, containing drawing number SA 106 C001 sheets 1 through 18, and the drawings listed in the parts lists described on sheets 8 through 17; and,

(2) A user's manual entitled, "Six-Year-Old Size Child Test Dummy SA106C," October 28, 1991.

(b) The dummy is made up of the component assemblies set out in the following Table A:

TABLE A

	Drawing title
SA 106C 010	Head Assembly.
SA 106C 020	Neck Assembly.
SA 106C 030	Thorax Assembly.
SA 106C 041	Arm Assembly (Right Arm).
SA 106C 042 (also includes picture of assembled parts).	Arm Assembly (Left Arm).
SA 106C 050	Lumbar Spine Assembly.
SA 106C 060 (also includes picture of assembled parts).	Pelvis Assembly.
SA 106C 071	Leg Assembly (Right Leg).
SA 106C 072 (also includes picture of assembled parts).	Leg Assembly (Left Leg).

(c) Adjacent segments are joined in a manner such that except for contacts existing under static conditions, there is no contact between metallic elements throughout the range of motion or under simulated crash-impact conditions.

(d) The structural properties of the dummy are such that the dummy conforms to this part in every respect both before and after its use in any test similar to those specified in Standard 213, Child Restraint Systems.

§ 572.72 Head assembly and test procedure.

(a) *Head assembly.* The head consists of the assembly designated as SA 106 010 on drawing No. SA 106C 001, sheet 2, and conforms to each drawing listed on SA 106C 001, sheet 8.

(b) *Head assembly impact response requirements.* When the head is impacted by a test probe conforming to § 572.77(a)(1) at 7 feet per second (fps) according to the test procedure in paragraph (c) of this section, then the resultant head acceleration measured at the location of the accelerometer installed in the headform according to § 572.77(b) is not less than 130g and not more than 160g.

(1) The recorded acceleration-time curve for this test is unimodal at or above the 50g level, and lies at or above that level for an interval not less than 1.0 and not more than 2.0 milliseconds.

(2) The lateral acceleration vector does not exceed 5g.

(c) *Head test procedure.* The test procedure for the head is as follows: